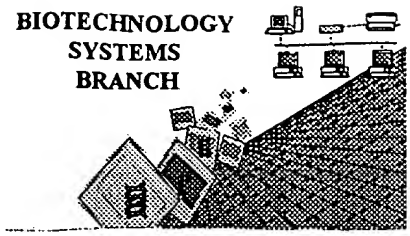
10590 BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/920,480A
Source: APE
Date Processed by STIC: 5/22/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/920,480A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING DATE: 05/22/2003
PATENT APPLICATION: US/09/920,480A TIME: 11:18:17

Input Set : A:\GA0152.ST25.txt
Output Set: N:\CRF4\05222003\I920480A.raw

```
  7 <110> APPLICANT: Nicolette, Charles
  9 <120> TITLE OF INVENTION: MELANOMA ANTIGENIC PEPTIDES
 11 <130> FILE REFERENCE: GA0152USD1
 13 <140> CURRENT APPLICATION NUMBER: US 09/920,480A
 14 <141> CURRENT FILING DATE: 2001-08-01
 16 <160> NUMBER OF SEQ ID NOS: 5
 18 <170> SOFTWARE: PatentIn version 3.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 9
 22 <212> TYPE: PRT
 23 <213> ORGANISM: synthetic construct
 25 <220> FEATURE:
 26 <221> NAME/KEY: misc_feature
 27 <222> LOCATION: ()..()
 28 <223> OTHER INFORMATION: X = Any Amino Acid
 30 <400> SEQUENCE: 1
W--> 31 Phe Leu Asp Gln Val Ala Phe Xaa Val
 32 1               5
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 27
 37 <212> TYPE: DNA
 38 <213> ORGANISM: synthetic construct
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: ()..()
 43 <223> OTHER INFORMATION: nnn = Any trinucleotide sequence representing an amino acid
 45 <400> SEQUENCE: 2
W--> 46 tttcttgatc aagttgcttt tnnngtt                                    27
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 9
 51 <212> TYPE: PRT
 52 <213> ORGANISM: synthetic construct
 54 <220> FEATURE:
 55 <221> NAME/KEY: misc_feature
 56 <222> LOCATION: ()..()
 57 <223> OTHER INFORMATION: X = Any Amino Acid
 59 <400> SEQUENCE: 3
W--> 60 Phe Leu Phe Ser Trp Tyr Ala Xaa Val
 61 1               5
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 27
 66 <212> TYPE: DNA
 67 <213> ORGANISM: synthetic construct
```

invalid response - see item 10 on Error Summary Sheet

give location within sequence (see 1.823 of Sequence Rules)

Does Not Comply
Corrected Diskette Needed

pg 1-2

location's

location

RAW SEQUENCE LISTING DATE: 05/22/2003
PATENT APPLICATION: **US/09/920,480A** TIME: 11:18:17

Input Set : **A:\GA0152.ST25.txt**
Output Set: **N:\CRF4\05222003\I920480A.raw**

```
     69 <220> FEATURE:
     70 <221> NAME/KEY: misc_feature
     71 <222> LOCATION: ()..() ← locations
     72 <223> OTHER INFORMATION: nnn = Any trinucleotide sequence representing an amino acid
     74 <400> SEQUENCE: 4
W--> 75 tttttgtttt cttggtatgc tnnngtt                                    27
     78 <210> SEQ ID NO: 5
     79 <211> LENGTH: 9
     80 <212> TYPE: PRT
     81 <213> ORGANISM: Homo sapiens
     83 <220> FEATURE:
     84 <221> NAME/KEY: misc_feature
     85 <222> LOCATION: ()..()
     86 <223> OTHER INFORMATION: Natural epitope, melanoma antigen gp100 aas 209-217
     88 <400> SEQUENCE: 5
     89 Ile Thr Asp Gln Val Pro Phe Ser Val
     90 1               5
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/22/2003
PATENT APPLICATION: **US/09/920,480A** TIME: 11:18:18

Input Set : **A:\GA0152.ST25.txt**
Output Set: **N:\CRF4\05222003\I920480A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 8
Seq#:2; N Pos. 22,23,24
Seq#:3; Xaa Pos. 8
Seq#:4; N Pos. 22,23,24

VERIFICATION SUMMARY DATE: 05/22/2003
PATENT APPLICATION: **US/09/920,480A** TIME: 11:18:18

Input Set : **A:\GA0152.ST25.txt**
Output Set: **N:\CRF4\05222003\I920480A.raw**

L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0